

IN THE CLAIMS

Please amend the claims as follows:

What is claimed is:

1. (original) A method for detecting teneurin signalling, which method comprises:
 - a) determining the presence of a cleaved teneurin product associated with teneurin signalling, wherein said cleaved teneurin product comprises at least a portion of the cytoplasmic domain of teneurin and targets to the cell nucleus; and
 - b) correlating the presence and/or amount of said cleaved teneurin product with teneurin signalling.
2. (original) A method as claimed in claim 1, wherein said teneurin is teneurin-1, teneurin-2, teneurin-3 or teneurin-4.
3. (currently amended) A method as claimed in ~~the preceding~~ claim 1, wherein the cleaved teneurin product is formed in ~~tumor~~ tumor cells.
4. (previously presented) A method as claimed in claim 1, wherein the cleaved teneurin product is formed in neurons.
5. (cancelled)
6. (currently amended) A method as claimed in claim ~~5~~ 1, wherein the teneurin is recombinant.
7. (currently amended) A method as claimed in claim ~~6~~ 1, wherein the cleaved teneurin product comprises a tag or label.

8. (original) A method as claimed in claim 7, wherein said determining step (b) comprises detecting said tag or label photometrically.

9. (currently amended) A method as claimed in claim 7, wherein said tag is selected from the group consisting of GFP green fluorescent protein, ~~YFP~~ yellow fluorescent protein, hemagglutinin, (Histidine)_n, a DNA binding domain.

10-11. (withdrawn)

12. (previously presented) A method as claimed in claim 9, wherein said tag is a DNA binding domain and further comprises an NFκB domain.

13. (currently amended) A method as claimed in any one of the preceding claims wherein said determining step comprises determining the amount of said cleaved ~~teneurin~~ teneurin product.

14-30. (withdrawn)

31. (Currently amended) A composition comprising a cleaved teneurin product and an intra-cellular target of the cleaved teneurin product.

32. (original) The composition of claim 31 wherein said cleaved teneurin product comprises at least a portion of the cytoplasmic domain of teneurin and targets to the cell nucleus.

33. (currently amended) A composition as claimed in claim 31 wherein said intra-cellular target is PML.

34-38. (withdrawn)